

Adaptation & Mitigation Actions

Project Profile	Utilization %	HIGHLIGHTS
GCF 2017 - 2023 Component 2.2 MNRE/MOF USD 8.8 million	35%	- Final call for proposal for EbaED project, a total of 384 proposal received now under review process - On-going work for 35 workers employed under this program supporting land rehabilitation, replanting and restoration activities of the project selected areas
ECR/PPCR Project 2013-2021 IDA/World Bank USD 14,600,000.00	73%	- Complete development and formulation of CIM Plans for 43 Districts (Adaptation)
Pacific Resilience Project IDA/World Bank USD 16,790,000.00 2015-2022	40%	- Cabinet to endorse Met Bill, Translated by Legislative Assembly and debated in October 2020 sitting. - NEOC completed to be officially opened (tentatively) in early October 2020.

For more information contact:

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GOVERNMENT OF SAMOA
Ministry of Natural Resources and Environment

CLIMATE CHANGE REPORT CARD

CLIMATE OUTLOOK

Cyclone Season PRELIMINARY OUTLOOK (2020 - 2021)

The recent available outlooks indicate 8 to 10 named tropical cyclones (TC) could occur in the Southwest Pacific basin between November 2020 and April 2021. An average to below average cyclone season with reduced risk over Samoan Region. 0 – 1 Tropical Cyclone is likely for Samoa for the upcoming cyclone season.

Season	Baseline 1981-2010	Actual	Comment	Trend
<i>Rainfall - Apia Station</i>				
Dec-2019	344mm	489.1mm	Drier compare to Dec 2018(507.6mm)	Above Average
Sept-2020	143mm	233.1mm	Wetter compared to 2019 (57.9)	Above Average
<i>Temperature - Apia Station</i>				
Dec-2019	30.4°C(max)	30.9°C	Increase compared to Dec 2018 (30.8°C)	Average
Sept-2020	29.8°C(max)	30.1°C	Decrease compared to Sept 2019(30.2°C)	Near Average
<i>Sea Level Rise (not applicable - longterm)</i>				
Jan-2019	4mm/yr	4.5mm/yr	No change monthly since its a long term determination	Slightly rising
<i>Tropical Cyclones (TC) (SW Pacific Region: 160°E - 120°W and 0° to 25°S)</i>				
2019-2020 Oct - May	6 Tropical Cyclone were monitored during this season	A total of six (6) tropical cyclone developed within The Southwest Pacific region and only two (2) Tropical Cyclone developed and moved within Samoa 400km EEZ (TC Vicky & TC Wasi)		2019 - 2020

mm-millimeters
mph-miles per hour

ha-hactares
C-Degrees Celsius

Sq-km- square kilometers
TC-Tropical Cyclone

TD- Tropical Depression
tCO2e- carbon equivalent

c-ton-carbon tonne
Kwh-kilowatt hour

8th Edition
22/10/2020

Climate Change Mitigation

(i) Electricity/ Renewable Energy	Amount of Electricity Generation (in Kilowatt-hours) from various sources of Renewable Energy as well as Diesel for the first quarter (January to March) of the years 2016 to 2020.					Responsible Agency
	Q1 / 2016	Q1 / 2017	Q1 / 2018	Q1 / 2019	Q1 / 2020	
Hydro	23,676,116 24.2%	17,340,790 16.7%	32,539,560 32.1%	33,143,599 28.4%	29,849,805 26.3%	EPC
Solar (kWh)	8,609,760 8.8%	14,112,208 13.6%	13,795,391 13.6%	16,035,744 13.7%	15,519,892 13.7%	EPC
Wind (kWh)	151,740 0.2%	57,062 0.1%	90,900 0.1%	146,000 0.1%	15,519,892 0.1%	EPC
Diesel ((kWh)	65,340,719 66.8%	72,485,315 69.7%	54,932,129 54.2%	67,326,426 57.7%	67,721,007 59.8%	EPC
Biomass					Complete	STEC
Total Generation	97,778,335	103,995,375	101,357,980	116,651,768	113,297,171	

(ii) Petroleum	Baseline 2016	Distribution %	Total imported fuel 2016	Total imported fuel Mar 2020	Distribution Mar 2020 %	Responsible Agency
Electricity	24.9 million ltrs	24%	126.4 million liters	11,396 million litres	26%	MoF
Transportation	60.4 million ltrs	58%	(for all products)	(for all products)	55%	
Commercial	11.5 million ltrs	18%			6%	
Residential	4.2 million ltrs	4%			2%	
Others	3.1 million ltrs	3%			11%	
Total	126.4 million litres					

(iv) Forestry	Baseline 2014	# trees dispatched/ distributed /planted	Total # of trees distributed/planted	Responsible Agency
MNRE	165,048.89ha (58%) 47,736,227 c-ton	456,927	2,130,781 861.50 - total area	MNRE
Private Business /Communities	MNRE Record	61,322		
Samoa Farmers Federation Inc	MNRE Record	1,031,000		
MAF	MNRE Record	478,538		MAF
STEC	MNRE Record	102,994		STEC

Climate Change Governance

Activity	Timeframe	Status	Responsible Agency
National Climate Change Policy - Samoas Ocean Strategy - Nationally Determined Contributions - Enhancement	2019- 2029 2020-2030 2020-2025	Final Draft submitted to NPCC for approval endorse and launch	MNRE MNRE/All Stakeholders
Community Integrated Management Plans (CIM) 43 plan			
International obligation to UNFCCC			
Samoa's 3rd National Communication Report. • National Circumstances • National GHG Inventory • Vulnerability & Adaptation Assessment • Mitigation Action • Knowledge Management	2020 - 2023	Implementation and Data collection on going	MNRE/All Stakeholders
Development the First Biennial Update Report (BUR) on Climate Change / Knowledge M&E			

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GEF EWACC 2015-2021 MNRE/MOF USD 12,322,936.00	75%	- Complete construction of Vaisigano Segment One Flood Protection Wall (Adaptation) - Funded minor works- drenching and deepening of waterways in catchment in the Greater Apia Areas. implementation of Community Disaster and Climate Risk Management in 100 villages Disaster Management Plans
GEF IMPRESS 2017-2022 MNRE/MOF USD 6,076,000.00	63%	- Completed community consultation for the selected biogas sites.i.e Saasaai, Visala Salua-Manono and Mapuifagalele. Phase3 i.e. the Construction of the sites in Savaii is planned to held in October 2020 - Develop of Biomass Model, Financial Schemes and Cost Benefit Analysis of Renewable Energy Technologies. - The official launching of Afolau Biomass Gasification Plant schedule on the 13th November 2020